

Name: _____ Section: _____



Homework

We will start with Chapter 12 Chapter 12 *Multiply by 1-Digit numbers* Topics 12.1, 12.2, 12.3, 12.4, & 12.5 this week. Scholars will apply Multiplication with 1-Digit numbers. Please complete the homework daily based on the schedule provided below. **Please do not work ahead on homework assignments. Students will also have a Chapter 11 test on Thursday 02/09!** Failure to upload homework on Archie will result in points deducted. You can also access the textbook here [HMH](#) for additional examples or to view the lesson. Their username is their Archie username, and their password is Archie199@.

Reminders

Please have your child use Waggle to master and reinforce their fact fluency. The 3rd Grade curriculum depends on a strong foundation in multiplication.

Extra Practice

Additional practice for the daily lesson is available on Archie. To access the worksheets, please have your child login into Archie. Click on Resources, select courses, then My Courses. From there, you will see a drop-down menu of each class. Go to American Math and click on Resources. There you will see worksheets for each section in the chapter.

Notes

Completed homework packets should be uploaded on Archie on **Monday February 13th!** Students must prove and show all their work. Scholars should use a separate sheet of paper if they need additional space. Failure to show work or packets submitted after the due date will result in a lower grade. Please feel free to contact me with any questions or concerns at nichlet.sebastian@archimedean.org

<u>Monday</u>	February 6th	– Page 545
<u>Tuesday</u>	February 7th	– Page 551
<u>Wednesday</u>	February 8th	– Page 557 & 563
<u>Thursday</u>	February 9th	– Chapter 11 Test
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<u>Monday</u> February 6th	<u>Tuesday</u> February 7th	<u>Wednesday</u> February 8th	<u>Thursday</u> February 9th	<u>Friday</u> February 10th

Multiplication Comparisons

Go Online

Interactive Examples

Write a comparison sentence.

1. $6 \times 3 = 18$

6 times as many as 3 is 18.

2. $63 = 7 \times 9$

_____ is _____ times as many as _____.

3. $5 \times 11 = 55$

_____ times as many as _____ is _____.

4. $48 = 8 \times 6$

_____ is _____ times as many as _____.

Write an equation.

5. 2 times as many as 8 is 16.

6. 42 is 6 times as many as 7.


7. 3 times as many as 5 is 15.

8. 36 is 12 times as many as 3.

Problem Solving

9. Metin is 14 years old. Zeki is 7 years old.
How many times as old as Zeki is Metin?

10. There are 27 campers. This is nine times as many as the number of counselors. How many counselors are there?

11.  *Math* Draw a model, and write an equation to represent “4 times as many as 3 is 12.” Explain your work.

Comparison Problems

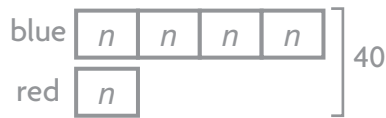
Go Online

Interactive Examples

Draw a model. Write an equation and solve.

1. Sarita made a necklace using 4 times as many blue beads as red beads. She used a total of 40 beads. How many blue beads did Sarita use?

Think: Sarita used a total of 40 beads. Let n represent the number of red beads.



$$5 \times n = 40; 5 \times 8 = 40;$$

$$4 \times 8 = 32 \text{ blue beads}$$


2. At the zoo, there were 3 times as many monkeys as lions. Tom counted a total of 11 lions. How many monkeys were there?

Problem Solving

3. Rafael counted a total of 40 white cars and yellow cars. There were 9 times as many white cars as yellow cars. How many white cars did Rafael count?

4. Is the equation true or false? Explain.

$$6 \times 12 = 12 + 12 + 12 + 12 + 12 + 12$$

5.  **WRITE** *Math* Write a problem involving *how much more than* and solve it. Explain how drawing a diagram helped you solve the problem.

Multiply Tens, Hundreds, and Thousands

Go Online

Interactive Examples

Find the product.

1. $4 \times 7,000 =$ 28,000

Think: $4 \times 7 = 28$ So, $4 \times 7,000 = 28,000$.

2. $9 \times 60 =$ _____

3. $8 \times 200 =$ _____

4. $5 \times 6,000 =$ _____

5. $7 \times 800 =$ _____

6. $8 \times 90 =$ _____

7. $6 \times 3,000 =$ _____

8. $3 \times 8,000 =$ _____

9. $5 \times 500 =$ _____

10. $9 \times 4,000 =$ _____

Problem Solving



11. A bank teller has 7 rolls of coins. Each roll has 40 coins. How many coins does the bank teller have?

12. Theo buys 5 packages of paper. There are 500 sheets of paper in each package. How many sheets of paper does Theo buy?

13. Explain how finding 7×20 is similar to finding $7 \times 2,000$. Then find each product.

Name _____

Estimate Products by 1-Digit Numbers

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Interactive Examples

Estimate the product by rounding.

1. 4×472

4×472



4×500

2,000

2. $2 \times 6,254$

3. 9×54

4. $5 \times 5,503$

Find two numbers the exact answer is between.

5. 3×567

6. $6 \times 7,381$

7. 4×94

8. 8×684

Problem Solving



9. Cato drinks 8 glasses of water each day. He says he will drink 2,920 glasses of water in a year that has 365 days. Is the exact answer reasonable? **Explain.**

10. Most Americans throw away about 1,365 pounds of trash each year. Is it reasonable to estimate that Americans throw away over 10,000 pounds of trash in 5 years? **Explain.**

11.  *Math* Describe a real-life multiplication situation for which an estimate makes sense.

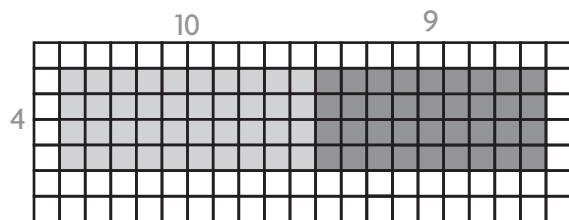
Multiply Using the Distributive Property

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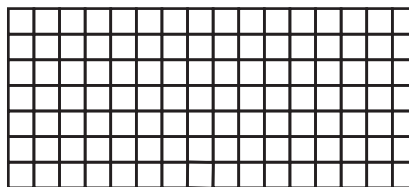
Interactive Examples

Model the product on the grid. Record the product.

1. $4 \times 19 = \underline{76}$



2. $5 \times 13 = \underline{\hspace{2cm}}$

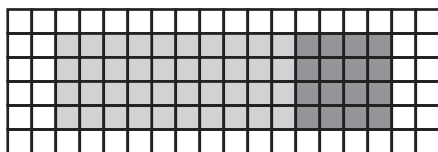


$4 \times 10 = 40$ and $4 \times 9 = 36$

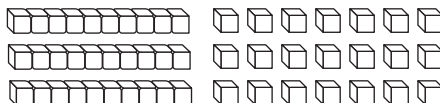
$40 + 36 = 76$

Find the product.

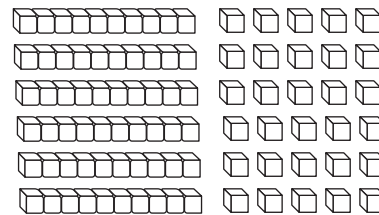
3. $4 \times 14 = \underline{\hspace{2cm}}$



4. $3 \times 17 = \underline{\hspace{2cm}}$

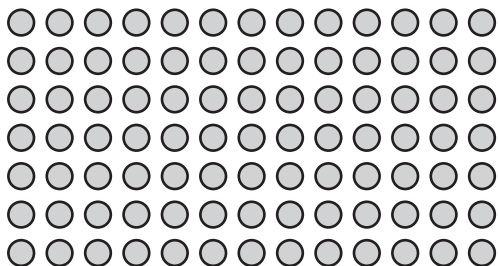


5. $6 \times 15 = \underline{\hspace{2cm}}$




Problem Solving

6. Michael arranged his pennies in the following display.



How many pennies does Michael have in all?

7. **WRITE**  *Math* Explain how you can use a model to find 6×17 .
